VENTILATION—PURE AIR.

Sheringham's Ventilator. admission of pure air through an

EXTERNAL WALL.

With single pulley, from 6s. each; with treading pulley, from 8s. 6d. These Ventilators are so arranged that the requisite quantity of air may be admitted for the due ventilation of an apartment without the slightest draught being felt by the occupants; and as they are placed in the external wall, their action is not impeded when the house is closed for the evening, at which time a constant supply of fresh air is most required.—HAYWARD, BROTHERS, 106, Friars-road, and 117, Union-street, Borough; and of all respectable iron-mongers, builders, &c.

MOORE'S PATENT MOVEABLE GLASS VENTILATOR.

For Windows, Partitions, Skylights, Greenhouses, &c. and for ventilating vaults in sculpture and Forms, from one and upwards.

The greatest amount of ventilation is obtained without draught, and it can be adjusted to any quantity.

For removing steam from windows, and smoke from rooms, it is most effectual.

List of Prices may be obtained by application.

N.B. A Working Model forwarded by post, upon receipt of 14s. which will be returned upon receipt of Model.

Ventilators on an improved principle for Chimneys, Air-Flues, &c.

MANUFACTORY, 28 and 30, Clerkenwell Close, London.

Church and House Clock Makers to the Honourable Board of Ordnance, the Russian Government, and the Emperor of China. Number of Church Clocks made by the above Firm, 310; ditto House Clocks, 1,200.

NOIRSAINS' VENTILATING GRATES and STOVES.—A long sought-for desideratum at last obtained. Great Economy in Fuel,—entire Prevention of Smoking in Chimneys—and Perfect Regulation of the Temperature of Rooms, effected by the new Ventilating Grates, which may be applied to any fire-place.

The Proprietors solicit the attention of the public and scientific men to the present apparatus,—the utility and superior advantages of which will be satisfactorily demonstrated at the Depôt, 131, REGENT-STREET, to any visitor. The highest testimonials given. Prices, from Two Guineas upwards. S. KIDD, Agent.

WARMING by HOT WATER.—J. WEEKS and CO. King's-road, Chelsea.—A great variety of plain and ornamental apparatuses, consisting of Pipes-coils and Stocks of Pipes for warming Churches, Mansions, Warehouses, Offices, Drying-rooms, Conservatories, &c. &c.—To be seen in extensive operation on our Premises at Chelsea, and also at Mr. STOCKEN'S extensive ourrier repository, Halkin-street, Hyde-park-corner.

WARMING and VENTILATION.—

D. and E. BAILEY, 378, Holborn, having had many years' experience in Warming Buildings by Hot Water, continue to erect HOT WATER APPARATUS on the most improved principles for Mansions, Conservatories, and other Horticultural Buildings; and they also erect Conservatories, Hothouses, &c., in wood or metal. D. and E. BAILEY invite the publicto an inspection of their stock of Stoves, Feeders, Fire-irons, &c., as well as a most complete and economical Portable Cooking Apparatus, or "Cottager's Stove," equally suitable for Cottages, Shooting-lodges, Yachts, or for persons emigrating.

Dr. Arnott's Ventilating Valve

CALORIFERE.—Gold Medal at the Paris Exhibition, 1849.—Patent Apparatus for Heating and Venting, by Hot Air only, every description of buildings, and for ventilating every sort of materials, linens, and clothes. The following are the results:—

No. 1, burning 3 lbs. of coal per hour, produces } 10,000 cubic feet of Hot Air, 310 Fahr.

No. 2, burning 14 lbs. of coal per hour, produces } 31,000 " " "

No. 3, burning 60 lbs. of coal per hour, produces } 90,000 " " "

The atmosphere without being at 30 Fahr. J. BOILEVE, Civil Engineer, guarantees all the above-named results: he shows every day at his Counting-house the smallest number, as well as a list of purchasers who have given him the most flattering testimonials of its efficiency and cheapness among them, MM. Viscomte de Gisors, Architects, in Paris; Koechlin, Brothers, Dolfus-ming; Gros-odier Roman, Schlumberger, Hartman, Spinners, Manufacturers, &c.—Apply to J. BOILEVE, 167, Fenchurch-street, London.—To be seen on Monday, Wednesday, and Friday.

GREAT EXHIBITION.—DRAWING-ROOM GRATES and FENDERS to which the GREAT COUNCIL MEDAL was AWARDED.

J. L. BENHAM and SONS beg to intimate that these beautiful Stoves and Fenders which were so generally admired for their artistic design and elaborate workmanship, are now on view in their EXTENSIVE SHOW-ROOMS, and respectfully invite ARCHITECTS and Others engaged in Building to inspect them there.

WARM AIR STOVES for CHURCHES, HALLS, &c. &c., simple in construction, ornamental in design, and thoroughly efficient, of various sizes and prices.

J. L. BENHAM and SONS' MANUFACTORY and SHOW-ROOMS, 19, WIGMORE-STREET, CAVENDISH-SQUARE.

PRIZE MEDAL for COOKING APPARATUS awarded to J. L. BENHAM and SONS.

The IMPROVED FAMILY RANGE will roast, boil, bake, fry, &c. &c., for a large family, with an average consumption of only 2½lbs. of coal per day. It has an open fire, is perfectly simple, and of moderate cost.

Specimens of these excellent and economical Ranges, and also of the most improved Heating Stoves, Hot Closet, Hot Tables, Ovens, &c. &c., lately exhibited in HYDE-PARK, may be inspected at the MANUFACTORY and SHOW-ROOMS. A Gas Cooking Apparatus in daily operation.

J. L. BENHAM and SONS, Stove, Range, and Bath Manufacturers, Hot-water and Gas Engineers, &c. 19, WIGMORE-STREET, CAVENDISH-SQUARE, LONDON.

THE FAMILY GAS COOKING APPARATUS will cook a dinner for six for only one penny, with less than the ordinary trouble and in a cleanly manner. The apparatus need not be permanently fixed, but may be attached in a moment with flexible tubing, detached, and placed in a closet until wanted again. The Celebrities Bath, heated by gas in an extraordinarily short time, and other useful and economical applications of gas-heat, may be seen at CHARLES RICKETT'S manufactory, 8, Aggar-street, Strand, fronting Charing-cross Hospital. Cooking exhibited at twelve o'clock every Monday.

GREAT EXHIBITION PRIZES.—First Prize, KITCHEN RANGE, with Medal of Special Approbation.

By Royal Letters Patent.—SIDNEY FLAVELL begs to inform the nobility, gentry, and public that he has had the honour of being chosen as the only exhibitor of Kitchen Ranges entitled to a Medal of Special Approbation. The Range, as shown during the Great Exhibition, may be seen daily at 41, Jermyn-street, St. James's, London; and at his Manufactory, Portland-terrace, Lemmington Priors.—JOSHUA HARRISON, Manager.

STEPHENSON and PEILL, 61, Gracechurch-street, London, and 17, New Park-street, Southwark, Manufacturers of COPPER CYLINDRICAL and improved CONICAL IRON BOILERS, and Conservatory and Hot-house Builders, either in wood or iron, respectfully call the attention of the nobility, gentry, and nurserymen to their simple but efficacious method of warming horticultural and other buildings by Hot Water. From the extensive works they have executed references of the highest respectability can be given, and full particulars furnished on application.

LOSH, WILSON, and BELL, NEWCASTLE-on-TYNE.

Manufacturers of Bar Iron, Railway Bars, Boiler and Engine Work, Cast-Iron Goods, and STEWARD'S PATENT CAST-IRON GAS and WATER PIPES. Office, No. 7, Stanhope, London.

NAILS and IRONMONGERY, from BIRMINGHAM direct.

Builders, Contractors and Others, supplied with Nails, Iron, and Ironmongery of every description, at the LOWEST BIRMINGHAM PRICES, a complete LIST of which will be forwarded upon application.

FREDERICK BLYTH, Nail Manufacturer and General Factor, Edmund-street, BIRMINGHAM; or, at 17, Gresham-street West, LONDON.

FULKE'S IRONMONGERY and STOVE WAREHOUSE,

91 and 92, Park-street, Camden-town.

Elliptic stoves, double backs, 3½d. and 4d. per inch.
Register ditto ditto 4½d. 5d. 6d. and 7d. per inch.
Cast-iron rails 2s. 6d. per cwt. Cut ditto, 12s. 6d. per cwt.
Cut chapwells, 1 ft. 1in. 2s. 9d. 1 ft. 3in. 3s. 6d.; 2 ft. 3in. 4s. 6d. per cwt. Bar iron, 6s. 6d. per cwt.
All descriptions of stoves, ranges, locks, rain-water-pipes, sash-weights, sash-line, at equally low prices.

CLARK and HUNT'S IRONMONGERY, STOVE and METAL WAREHOUSE, 139, Shoreditch.

Improved Self-acting Cottage Ranges, with Brass Urns and Boiler	30	32	34	36	inch
	22s.	24s.	26s.	34s.	
Best Self-acting Ranges, with Urns and Back Boiler, Bright Wrought Bars	34	36	38	42	inch
	34s.	36s.	38s.	42s.	

Strong Elliptic Stoves, with Extra Back and Solid Bars, per inch, 3½d.

Register Stoves, with Solid Bars, per inch, 5d. Best Solar ditto, with Fire Brick Back, per inch, 10d.

Bright Stoves, with Two Fires, 30s. to 140s. each.

Cast Rain-water Pipe	2	3	3 inch.
	8d.	10d.	1s. per yard.
Cast Gutters	4 inch, 8d. per yard.		
	4		6 inch.
O. G. Gutters	11d.		in per yard.

Best Cut Clasp and Rose	1½	1¾	2	2½	3 inch.
	1s. 6d.	1s. 8d.	1s. 10d.	2s. 6d.	2s. 8d. per cwt.

Sheet Flooring Brads, 11s. 6d. per cwt.

4-inch Cut Lath, 11s. 6d.	Cast Lath, 3s. 6d.			
2	3	4	5	6
Patent Line	6½d.	7d.	8d.	9d. per knot.

6-inch 3-bolt Rd. Ward Mortice, with best Furniture and Patent Spindles, 2s. each. Light Elliptic and Register Metal, 12s. per cwt.

Dr. Arnott's Ventilators, 4s. 6d. each.

An extensive stock of bar, rod, hoop, and sheet iron.

Clark and Hunt's Improved Glass Paper.

TO BUILDERS, CARPENTERS, CABINET-MAKERS, &c.

JOHN DALE, 18 and 19, Chiswell-street, Finsbury-square, respectfully invites the above Trades to the inspection of his immense stock of ironmongery, which cannot be surpassed in variety, quality, and cheapness by any house in London.

Elliptic stoves, double backs, 3½d. per inch, and upwards.

Register Stoves, 4½d. 5d. 6d. 6½d. 7½d. per inch.

Self-acting Ranges, with circular ovens and back boilers, best wrought bars and bright fittings—

3 ft., 11. 10s.; 3 ft. 6 in., 2l. 2s.; 4 ft., 2l. 15s.

Best Cottage Ranges, with ovens and back boilers, 32s. each.

Best self-acting ditto, 36s. to 38s. each.

Air Bricks, 2s. 2d. per doz.

6-inch Cut Lath Nails, 12s. 6d. per cwt.				
Best Patent Cut Clasp.				
1½	1¾	2	2½	3 inch and larger.
1s. 6d.	1s. 8d.	1s. 10d.	2s. 6d.	2s. 8d. per cwt.

Best Sheet Floor Brads, 11s. 6d. per cwt.

Best Town Glue, 2½d. Ditto, Scotch, 3½d. per cwt.

Best Patent Sash Line.

1	2	3	4	5	6
4s.	5s. 6d.	7s.	8s.	10s. 6d.	per gross.

List of Prices had on application at the Warehouse, or by letter prepaid.

KITCHEN RANGES and STOVES.—

Oven and Boiler Cottage Ranges, with iron or fire-brick backs:—

18in. 6d.	20in. 9s.	22in. 9½.	24in. 10s.	26in. 10½.	28in. 11s.
30.	32	34	36	40	42 in.

Self-acting ditto { 18in. 6d. 20in. 9s. 22in. 9½. 24in. 10s.
26 28 30 32 36 38 in.

Universal ditto, a strong, useful, and economical range for small families, with 12in self-acting oven, 2 gal. boiler with brass tap, sliding plate-rack, &c. complete, 2l. 5s. each.

BROWN and GREEN'S Patent Range is a certain cure for a smoky chimney, and is recommended for its economy and cleanliness. Price 3l. 10s. and upwards.

Kitchener, ranges of all kinds, in stock, or made to order.

Register Stoves, 16 to 20 in. wide, 5½d. per in.

14 Iron dividers, and a 4-ton Weighing Machine for sale, at a low price.

Terms, cash. Delivered in London, Birmingham, &c.

Address BROWN and GREEN, Ironfounders, &c. Luton.

PRIZE MEDAL of the Great Exhibition to HART and SONS, MANUFACTURING IRONMONGERS, for the excellence of their DOOR FURNITURE and FINGER PLATES.

HART and SONS invite the attention of Architects, Builders, and others, to the superior quality of their IRON FURNITURE in PLAIN and DECORATED CHINA, CRYSTAL, AMBER, and OPAL GLASS, EBONY, MAPLE, BUFFALO HORN, &c. &c. and to the advantages resulting from the use of it, being mounted with PITT'S PATENT SELF-ADJUSTING SPINDLES, applicable to doors of any thickness without alteration.

HART and SONS also invite attention to their stock of LOCKS, Mortice, Rim, Cabinet, &c., BRASS FOUNDRY and BELL-HANGING materials and GENERAL IRONMONGERY, and especially to their DR. ARNOTT'S VENTILATING CHIMNEY VALVES, to the manufacture of which they give particular attention. They have in Stock a great variety of sizes and styles of finish, the prices of which may be obtained on application at their MANUFACTORY, 32, 34, and 36, WYCH-STREET, STRAND.

TO IRONMASTERS, RAILWAY DIRECTORS, ENGINEERS, and FOUNDERS.—The Subscriber having been appointed SOLE AGENT in LONDON for the SALE of Mr. MORRIES STERLING'S PATENT IRON, begs to intimate that he is prepared to supply railway companies, engineers, and founders, with the PATENT MALLEABLE and TOUGHENED CAST IRON, and that all orders addressed to him for these, and also for RAILS, with hardened surfaces, shall have his prompt attention. Specimens of the different irons shown, and every information afforded on application. Information as to the terms of license under Mr. Sterling's Patents will be given by the Subscriber, and also by Mr. JOE. C. L. 4, John-street, Adelphi.

Paul's Wharf, 32, Upper Thames-street. A. MACNADGHT.

TO IRONMONGERS, ENGINEERS, GAS-FITTERS, SMITHS, &c.

F. P. M'CARTHY, 7, Beech-street, Barbican, Iron, Steel, and Tinplate Merchant, wholesale dealer in Zinc, Metal, and Gas fittings, begs to inform parties connected with the above trades that he has a large stock of these materials on hand, which he is selling at the very lowest rate, and will be glad to furnish a complete list of prices upon receiving a letter to that effect.

Sheet zinc, 21s. per cwt.; sheet iron, best quality, 7s. 6d. per cwt.; galvanized sheet iron, from 11s. 6d. per cwt.; bar iron, 7s. 6d. per cwt.; strap brass, 9½d. per lb.; wrought iron gas tube, from 11d. per foot; composition pipe, 12s. per cwt.; tin pipe, 11½d. per lb.; brass tube, 11½d. per lb.; copper tube, 1s. 1d. per lb.; spring steel, 20s. per cwt. Old metals bought or taken in exchange.

The trade supplied with all kinds of iron and brass gas fittings.

Lacquered round tubing for shop-rails, &c. from 4d. per foot.

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CASTINGS, RAIN-WATER PIPE, GUTTERING, SASH-WEIGHTS, &c.

Rain-water Pipe	2	3	4	5	6 inch.
	9d.	10d.	1s.	1s. 3d.	per yd.
Half Round Gutter	3		4		6 inch.
	7d.		9d.		per yard.

Sash-weights, 4s. per cwt. Air Bricks, 2s. 6d. per dozen.

Underground Pipe, 3s. 6d. per cwt.

A large stock of CASTINGS and WROUGHT-IRON WORK for BUILDING and other purposes, at equally low prices, consisting of—

GIRDERS AND COLUMNS.	STENCH-TRAPS.
RAILING AND STAIRCASE BARS.	SKYLIGHTS.
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CANTILEVRES AND BRACKETS.	STOVES, ALL DESCRIPTIONS.
FURNACE BARS AND GRATINGS.	COPINGS FOR WALLS.
LAMP POSTS.	MANGERS.
PUMPS.	HAY RACKS.
COLE-HOLE PLATES AND SCRAPERS.	SUPPLY CISTERNS.
	FIREPROOF DOORS.
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Every article in the trade kept in stock. An extensive assortment of patterns for both PLAIN and ORNAMENTAL CASTINGS, and every description of WROUGHT-IRON WORK.

ESTIMATES on application or by post.

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COLLINGE'S PATENT HINGES.—Sole Manufacturers, CHARLES COLLINGE and CO. 64 and 65, Bridge-road, Lambeth, where a great variety are always on view for church, park, railroad, coachhouse, and other gates and doors of large and small dimensions, a gate of a ton weight moving with these hinges as easily as a wicket. Ornamental hinges, adapted for drawing-rooms, &c.; doors fitted with them may be removed and replaced in an instant. Rising and door-checking spring hinges, and superior gate fastenings of modern principles. Those genuine unless marked "Charles Collinge, Patent, Lambeth." Plain and ornamental cast and wrought iron work, for building and other purposes. Engines, machinery, patent shafting, sugar-mills, &c.

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solicit the attention of the Trade to their extensive Stock of PATTERNS for CASTINGS of EVERY DESCRIPTION, either structural or ornamental.

Patterns of Girders, Columns, Balconies, Railing, Ornaments, Carriage and Park Gates, Lamp and Street Posts, Tanks, Pipe, Wheels, Pinions, Lathes, and Steam-engines; Range and Hot-plate Stoves. An improved Sheet Door adapted for internal work.

A large stock of Rain-water Pipes, Plain and OG Gutters, Air-bricks, Sash Weights, Air-tight Sewer Grates, Stable Fittings, Hurdles, &c.

Plain and Ornamental Vases 20 per cent. cheaper than Terra-cotta.

Estimates given for Iron Railings, Wrought-Iron Roofing, Greenhouses, Staircases, Wrought-iron Girders, Fireproof Doors, Book-safes and Strong Rooms, Tanks and Boilers, and every description of iron work to specification, and the work executed with every attention to quality and despatch.

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IRON FOUNDRY, 80, Goswell-street (late of Brick-lane, St. Luke's).—J. J. JONES, having made great additions to his STOCK of PATTERNS, begs to inform the Trade that he can now supply them with Plain and Ornamental Iron Columns, Girders, Railing, Gates, Iron Coping, Balconies, Window Guards, Verandahs, Ornamental Staircase Panels, Iron Staircases, Tomb Enclosures, Trellis Panelling, Lamp and other Brackets, Chandeliers, Newel Bars, Water Closet Work, Area Gratings, Fly and other Wheels, Wheel Plates, &c.

BAKERS' OVEN WORK, Large Rectes and Troughs, Rain Water Pipes and Gutters, Sash Weights, Furnace Bars, Stoves, Mangers, &c. always in stock.

CHURCH BELLS of the highest quality of tone and finish, at 1s. per lb. Peals of bells recast and warranted. House bells, with turned edges and wrought-iron clappers, at 1s. 6d. per lb. Cocks at proportionately reduced prices.—Apply to BARRETT and OSBORNE, Bishopsgate Foundry, Shoreditch, London.

CHURCH and TURRET BELLS cast to any weight, and tuned. Ships, pinnaces, house, shop, and clock bells of any size.

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Tuned to the chromatic scale, with improved clappers, and passed on a new system, which gives a superior tone and facility for ringing.

Memorial Rooms, Pulpit Lights, and Brackets, &c.

Old Bells recast or taken in exchange.

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PATENT CAST-IRON PUMPS, for the use of Farm, Cottages, Nurseries, Tanks, and Shallow Wells.

Patent Pump £1 2 0
Patent Pump, with 15 feet of lead pipe attached, and bolts and nuts ready for fixing 2 5 0

Larger sizes if required.

May be obtained of any Ironmonger or Plumber in Town or Country, or of the Patentee and Manufacturers,

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Every description of Machinery for Raising Water, Fire, Engines, &c.

The usual allowance to the Trade

THE GWYNNE PUMP, for Mines, Ships, Dramage Works, Steam and Locomotive Engines, Waterworks, and every description of employment in which power and efficiency are sought to be obtained with economy, and a general applicability to all circumstances. This Pump, which is acknowledged to be superior to any hitherto employed, is supplied by Mr. JOHN GWYNNE, under guarantee against the non-success of any kind from the holders of obsolete patents. Orders addressed to No. 1, Adam-street, Strand, London, will receive immediate attention. Local peculiarities of situation, &c. provided for by special arrangements. Testimonials forwarded to parties requiring them.

WATERING the ROADS.—Public attention is respectfully requested to BENJ. FOWLER'S very superior ROAD PUMPS, both plain and ornamental, large numbers of which have been fixed in various parts of both town and country. Yearly contracts entered into to keep the same in sound working order. The largest stock in England of every description of pump and engine frame for raising water. Designs and particulars forwarded on application.—BENJ. FOWLER'S Engine, Pump, and Hot Water Apparatus Manufactory, late Turner's, 4, Dorset-street, removed to the new factory, Whitefriars-street, Fleet-street.

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